

## CLAIMS

- 1 1. An integrated security system operating over a network comprising:  
2 a network security controller coupled to the network comprising:  
3 a relational database including portal objects and related resources  
4 represented in at least one table in the relational database;  
5 at least one network node comprising:  
6 a local database coupled to the network adapted to receive  
7 predetermined resource information from the relational database;  
8 an event generator coupled to the local database to provide at least  
9 one portal event in response to the predetermined resource information received by  
10 the local database; and  
11 a finite state portal controller coupled to the network and the event  
12 generator for providing at least one of an action and a global event in response to  
13 the at least one portal event.
- 1 2. The system of Claim 1 wherein the event generator comprises a protocol  
2 normalizer.
- 1 3. The system of Claim 2 wherein the event generator further comprises a data  
2 stream converter coupled to the protocol normalizer adapted to receive data from a  
3 field device.
- 1 4. The system of Claim 3 wherein the field device is at least one of:  
2 a reader module;  
3 an input module;  
4 an output module;  
5 a communications module and  
6 a panel.

- 1    5.    The system of Claim 1 wherein the event generator comprises:  
2                    a supervision controller;  
3                    an I/O controller coupled to the supervision controller and adapted to  
4           receive signals from at least one of:  
5           an input extension;  
6           an output extension;  
7           a temperature extension; and  
8           an access extension.
- 1    6.    The system of Claim 1 further comprising a network node controller coupled to  
2           the database and coupled to the at least one network node.
- 1    7.    The system of Claim 1 wherein the network security controller further  
2           comprises an extensible markup language generator and the at least one network  
3           node local database downloads an extensible markup language representation of the  
4           predetermined resource information.
- 1    8.    The system of Claim 7 wherein the extensible markup language representation  
2           comprises XML.
- 1    9.    The system of Claim 1 wherein the at least one global event is represented using  
2           an extensible markup language representation.
- 1    10.   The system of Claim 9 wherein the extensible markup language representation  
2           comprises XML.
- 1    11.   The system of Claim 1 wherein the network security controller further  
2           comprises a web server coupled to the network and the database to provide at least

3 one user interface to the integrated security system in at least one browser.

1 12. A method to normalize an access control event comprising:  
2 converting a field device signal representing the access control event to a  
3 data stream;  
4 normalizing the data stream to provide at least one portal event; and  
5 processing the at least one portal event in a finite state portal controller to  
6 provide at least one of a local action and a global event.

1 13. The method of Claim 12 further comprising:  
2 storing predetermined resource information from at least one resource table of a  
3 relational database in a local database; and  
4 wherein normalizing the data stream comprises mapping the field device signal to  
5 the at least one portal event using the stored predetermined resource information.

1 14. The method of Claim 13 further comprising using an extensible markup language  
2 representation for the predetermined resource information.

1 15. The method of Claim 13 wherein mapping the field device signal comprises at  
2 least one of:  
3 detecting a state change in the field device signal to provide a portal event; and  
4 translating the field device signal to provide a portal event.

1 16. The method of Claim 12 further comprising processing the at least one local  
2 action in response to determining that the field is a module.

1 17. A method to process an access control event from an application extension  
2 comprising:

3           supervising the application extension to provide at least one portal event; and  
4                       processing the at least one portal event in a finite state portal controller to  
5 provide at least one of a local action and a global event.

1   18.    The method of Claim17 further comprising:  
2           storing predetermined resource information from at least one resource table of a  
3 relational database in a local database; and  
4           mapping an application extension state change signal to provide the at least one  
5 portal event.

1   19.    The method of Claim18 further comprising using an extensible markup language  
2 representation for the predetermined resource information.

1   20.    The method of Claim18 further comprising:  
2           receiving a command;  
3           mapping the command using the predetermined resource information to provide a  
4 command portal event;  
5           processing the command portal event in the finite state portal controller to  
6 provide at least one local action; and  
7           converting the local action into a local action field device signal directed to a  
8 selected application extension.